# CLAIMS

1    1. In a data processing system including a legacy data base management system having a

2    command language coupled to a publically accessible digital data communication network,

3    the improvement comprising:

4          a. a response generated by said legacy data base management system; and

5          b. a facility for converting said response into an XML message which is transferable

6          over said publically accessible digital data communication network.

1    2. The improvement according to claim 1 wherein said facility further comprises an output

2    definition table.

1    3.   The improvement according to claim 2 wherein said facility further comprises a

2    document type definition corresponding to said XML message.

1    4. The improvement according to claim 3 wherein said facility includes storage for said

2    output definition table.

1    5.   The improvement according to claim 4 wherein said facility further comprises a

2    repository responsively coupled to said legacy data base management system wherein said

3    output definition table and said document type definition are stored within said repository.

1    6. An apparatus comprising:

2         a. a publically accessible digital data communication network;

3         b. a data base management system having an internal format different from XML

4         responsively coupled to said publically accessible digital data communication

5         network which generates a response in said internal format; and

6         c. an Output Definition Table which converts said response into an XML document

7         for transmission on said publically accessible digital data communication network.


7. The apparatus of claim 6 further comprising a Document Type Definition (DTD) which

defines a format of said XML document.


8.    The apparatus of claim 7 further comprising a repository within said data base

management system for storage of said Output Definition Table.


9. The apparatus of claim 8 further comprising a window for user activation of said Output

2    Definition Table.


1    10. The apparatus of claim 9 wherein said publically accessible digital data communication

2    system further comprises the Internet.


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1    11.   A method of supplying a response from a data base management system

2    comprising:

3         a.      transferring a service request to said data base management system via a

4                 publically accessible digital data communication network;

5         b.      processing said service request by said data base management system to

6                 produce a response;

7         c.      converting said response into an XML document using an Output

8                 Definition Table (ODT); and

9         d.      transmitting said XML document via said publically accessible digital

10                data communication network.


1    12.  A method according to claim 11 wherein said converting step includes use of a

2    Document Type Definition corresponding to said XML document.


1    13.   A method according to claim 12 wherein said Output Definition Table is

2    dynamically generated from storage.


1    14. A method according to claim 13 wherein said converting step further comprises an

2    XML element to source mapping tree containing an internal representation that

3    assures conformance to said Document Type Definition.

1    15. A method according to claim 14 wherein said publically accessible digital data

2    communication network further comprises the Internet.


1    16. An apparatus comprising:

2        a. means for transmitting an XML document via a publically accessible digital

3        data communication network;

4        b. means responsively coupled to said transmitting means for processing a

5        service request to produce a response;

6        c. means responsively coupled to said processing means for converting said

7        response into said XML document; and

8        d. means responsively coupled to said converting means and said transmitting

9        means for sending said XML document to said transmitting means for

10       transmission via said publically accessible digital data communication network.


1    17. An apparatus according to claim 16 wherein said processing means further

2    comprises a repository.


1    18. An apparatus according to claim 17 further comprising means for defining a format

2    of said XML document.

1   19.  An apparatus according to claim 18 wherein said transmitting means further

2   comprises the Internet.

1   20.  An apparatus according to claim 19 wherein said storing means stores said

2   defining means for future use.